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\_\_\_\_\_/David J. McKenzie/  
Attorney for Applicant(s)

PATENT APPLICATION

Docket No.: SJO920000160US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jeffrey S. Lille )  
 )  
Serial No.: 09/933,218 )  
 ) Group Art  
Filing Date: 08/20/2001 ) Unit: 2627  
 )  
For: ELECTRO-THERMAL MICROMECHANICAL )  
 )  
ACTUATOR FOR FINITELY POSITIONING A )  
STORAGE DEVICE SLIDER AND METHODS OF USE )  
AND MANUFACTURE )

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Supplemental Information Disclosure Statement discloses information which has come to the attention of applicant and his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits subsequent to granting of the request for continued examination in the above identified application.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or

103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Supplemental Information Disclosure Statement shall not be construed as a representation that a search has been made or as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, this Supplemental Information Disclosure Statement includes and is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each patent, publication and other item of information in written form listed on the enclosed Form PTO-1449.

#### NON-ENGLISH INFORMATION

Pursuant to 37 C.F.R. § 1.98, following is a concise explanation of the relevance (as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information), of each listed patent, publication or other information that is not in the English language.

JP 08287534 A

Abstract:

**PURPOSE:** To eliminate the need for lead wires, to eliminate the adverse influence on floating characteristics, to facilitate assembly and to miniaturize a head by electrically directly connecting the signal wires of probes disposed on a head body and the wirings disposed at a supporting spring.

**CONSTITUTION:** Through-holes are formed by anisotropic etching at the head body 9 and insulating layers are formed by baking and thereafter, a conductive material is packed into the through-holes. The probe electrodes 14 and the electrode pads 17 formed at the supporting spring 16 are electrically connected via the conductive material.

Respectfully submitted,

\_\_\_\_/David J. McKenzie/\_\_\_\_

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FORM PTO-1449  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	SERIAL NO. 09/933,218	ATTORNEY DOCKET NO. SJO920000160US1
	FILING DATE 08/20/2001	GROUP ART UNIT 2627
	APPLICANT(S): Jeffrey S. Lille	

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO
	A1	JP 08287534 A	11/01/1996	Japan	G11B009-00		X

**NON-PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).